

**DECLARATION AND POWER OF ATTORNEY**

As below named inventor, I hereby declare that

This declaration is of the following type:

original  design  supplemental  
 national stage of PCT  
 divisional  continuation  continuation-in-part

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first, and sole inventor (*if only one name is listed below*) or an original, first, and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHODS OF DIAGNOSING OPEN-SECONDARY WINDING OF AN IGNITION  
COIL USING THE IONIZATION CURRENT SIGNAL**

the specification of which:

is attached hereto.  
 was filed on \_\_\_\_\_ as Serial No. \_\_\_\_\_ and  
was amended on \_\_\_\_\_ (*if applicable*).  
 was filed by Express Mail No. \_\_\_\_\_ as Serial No. *not known yet*, and was amended on  
\_\_\_\_\_ (*if applicable*).  
 was filed on \_\_\_\_\_ as PCT International Application No. \_\_\_\_\_ and  
was amended under PCT Article 19 on \_\_\_\_\_ (*if any*).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

COUNTRY	APPLICATION	DATE OF FILING (day,month,year)	PRIORITY CLAIMED UNDER 35 USC 119		
			YES	NO	
			YES	NO	
			YES	NO	

I hereby claim the benefit pursuant to Title 35, United States Code, § 119(e) of the following United States provisional application(s):

PRIOR U.S. PROVISIONAL APPLICATIONS CLAIMING THE BENEFIT UNDER 35 USC 119(e)	
APPLICATION NO.	DATE OF FILING

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120				
U.S. APPLICATIONS		Status (check one)		
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
1. 0 /				
2. 0 /				
3. 0 /				
PCT APPLICATIONS DESIGNATING THE U.S.			Status (check one)	
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NOS. ASSIGNED (if any)	PATENTED	PENDING
4.				
5.				
6.				

DETAILS OF FOREIGN APPLICATIONS FROM WHICH PRIORITY CLAIMED UNDER 35 USC 119 FOR ABOVE LISTED U.S./PCT APPLICATIONS				
ABOVE APPLN. NO.	COUNTRY	APPLICATION NO.	DATE OF FILING (day,month,yr)	DATE OF ISSUE (day,month,yr)
1.				
2.				
3.				
4.				
5.				

As a named inventor, I hereby appoint the following attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Scott M. Confer, Reg. 40,568  
 John E. Kajander, Reg. 47,693  
 Daniel J. Sepanik, Reg. 45,388  
 Myron Lloyd, Reg. No. 53,228  
 Darryl Newell, Reg. No. 53,381  
 Douglas A. Mullen, Reg. 38,569  
 Scott M. Confer, Reg. No. 40,568

Richard A. Jones, Reg. 39,242  
 Larry Moskowitz, Reg. 42,911  
 Craig A. Phillips, Reg. 47,858  
 Lisa E. Marks, Reg. 44,901  
 Thomas T. Moga, Reg. 34,881  
 James P. Calve, Reg. 50,185  
 John E. Kajander, Reg. No. 47,693

I further direct that correspondence concerning this application be directed to DICKINSON WRIGHT PLLC  
 1901 L St., N.W., Suite 800, Washington, D.C. 20036, Telephone (202) 457-0160.

I hereby declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of

the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Guoming G. Zhu

Inventor's signature: Guoming G. Zhu

Date: Aug. 25, 2003 Country of Citizenship: US

Residence: 47288 White Pines Dr., Novi, MI 48374

Post Office Address: 47288 White Pines Dr., Novi, MI 48374

Full name of second joint inventor: Kevin D. Moran

Inventor's signature: Kevin D. Moran

Date: Aug 27, 2003 Country of Citizenship: US

Residence: 2112 Ardmore, Trenton, MI 48183

Post Office Address: 2112 Ardmore, Trenton, MI 48183

DC 87072